

## Type DID604



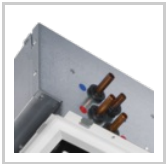
### ACTIVE CHILLED BEAM WITH FOUR-WAY AIR DISCHARGE, VERTICAL HEAT EXCHANGER AND CONDENSATE DRIP TRAY, FOR GRID CEILINGS WITH GRID SIZE 600 OR 625

Active chilled beam for heating and cooling, with 2-pipe or 4-pipe heat exchanger, for integration with various ceiling systems. The condensate drip tray is useful if the temperature temporarily falls below the dew point.

- Preferably for room heights up to 4.00 m
- High heating and cooling capacity with a low conditioned primary air volume flow rate and low sound power level
- High comfort levels due to low airflow velocity in the occupied zone
- Three nozzle variants to optimise induction based on demand
- Removable induced air grille, fixed with magnets

#### Optional equipment and accessories

- Control system
- Adjustable air control blades for air direction control
- Heat exchanger powder-coated black
- Powder coating in many different colours, e.g. RAL CLASSIC



### Application

- Active chilled beams of Type DID604 for the integration into various ceiling systems, preferably for room heights up to 4.00 m
- Particularly suitable for grid ceilings with grid size 600 or 625
- The condensate drip tray is useful if the temperature temporarily falls below the dew point
- Adjustable air control blades (optional) allow for the manual adjustment of the four-way air discharge
- 2-pipe or 4-pipe heat exchangers enable good comfort levels with a low conditioned primary air volume flow rate
- Energy-efficient solution since water is used for heating and cooling

### Special characteristics

- The vertical heat exchanger with condensate drip tray is useful if the temperature temporarily falls below the dew point
- Heat exchanger as 2-pipe or 4-pipe system
- Water connections at the narrow side, Ø12 mm Cu pipe, with plain tails or with G $\frac{1}{2}$ " external thread, or with a G $\frac{1}{2}$ " union nut; with flat seal
- Adjustable air control blades for air direction control
- Internal nozzle plate with punched nozzles (non-combustible)

### Nominal sizes

- 600, 1200 mm

### Variants

#### Heat exchanger

- 2: 2-pipe systems
- 4: 4-pipe systems

#### Nozzle variants

- Z: Small plus
- M: Medium
- G: Large

### Construction

- Powder-coated RAL 9010, pure white, gloss level 50 %
- P1: Powder-coated in any other RAL colour, gloss level 70 %
- P1: Powder-coated RAL 9006, white aluminium, gloss level 30 %

### Attachments

- Adjustable air control blades
- Water connection A1: G $\frac{1}{2}$ " external thread and flat seal

- Water connection A2: G1/2" union nut and flat seal

#### Useful additions

- Connecting hoses
- Control equipment consisting of a control panel including a controller with integral room temperature sensor; valves and valve actuators; and lockshields
- X-AIRCONTROL

#### Construction features

- Spigot is suitable for circular ducts to EN 1506 or EN 13180
- Four suspension points for on-site installation (by others)
- Three nozzle variants to optimise induction based on demand
- Internal nozzle plate with punched nozzles (non-combustible)
- Removable induced air grille, fixed with magnets, secured with safety cables

#### Materials and surfaces

- Casing, front frame and perforated induced air grille made of galvanised sheet steel
- Heat exchanger with copper tubes and aluminium fins
- Exposed surfaces are powder-coated pure white (RAL 9010) or in any other RAL colour
- Heat exchanger also in black (RAL 9005)
- Nozzle plate powder-coated black (RAL 9005)
- Air control blades made of polypropylene, UL 94, flame retardant (V0)
- Nozzle plate made of sheet steel

#### Standards and guidelines

- Products are certified by Eurovent (no. 09.12.432) and listed on the Eurovent website
- Declaration of hygiene conformity to VDI 6022

#### Maintenance

- No moving parts, hence low maintenance
- The heat exchanger can be vacuumed with an industrial vacuum cleaner if necessary
- VDI 6022, Part 1, applies (Hygiene requirements for ventilation and air-conditioning systems and units)

## TECHNICAL INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code, Related products



Variants, Attachments, Dimensions and weight ▼

---

Installation examples, Installation details, Basic information and nomenclature ▼

---

## TROX UK Ltd

---



Caxton Way,  
Thetford, Norfolk, IP24 3SQ, UK  
Tel: +44 (0) 1842 754545  
Fax: +44 (0) 1842 763051

General Enquiries –  
[info@troxuk.co.uk](mailto:info@troxuk.co.uk)  
Sales & Customer Services –  
[sales@troxuk.co.uk](mailto:sales@troxuk.co.uk)  
Accounts –  
[accounts@troxuk.co.uk](mailto:accounts@troxuk.co.uk)

## Online-Services

---

- [TROX Academy](#)

---

- [Your contact partner](#)

---

- [Our Office London](#)

---

- [Our Office Thetford](#)

---

## Service-Hotlines

---

Sales:  
+44 (0)1842 754545  
[Contact](#)

Service:  
+44 (0)1842 754545  
[Contact](#)

Technical service  
+44 (0)1842 754545  
[Contact](#)

## TROX SOCIAL MEDIA

---